

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|-----------------------------|---|----------------------|
| In re Application of: |) | |
| |) | |
| Marc ALAIA <i>et al.</i> |) | |
| |) | |
| Application No.: 09/252,790 |) | Group Art Unit: 2761 |
| |) | |
| Filed: February 19, 1999 |) | Examiner: Unassigned |
| |) | |
| For: METHOD AND SYSTEM FOR |) | |
| CONDUCTING ELECTRONIC |) | |
| AUCTIONS |) | |

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

POWER OF ATTORNEY BY ASSIGNEE

The undersigned Assignee of the entire interest in the above-identified application hereby grants power of attorney to the registered practitioners of Morgan, Lewis & Bockius LLP included in the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to:

Customer Number 009629
Patent Support Unit
Morgan, Lewis & Bockius LLP
1800 M Street, N.W.
Washington, D.C. 20036-5869
202-467-7176 (facsimile)

Please direct all telephone calls to C. Scott Talbot at 202-467-7750.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Marc ALAIA *et al.*)
)
Serial No.: 09/252,790) Group Art Unit: 2761
)
Filed: February 19, 1999) Examiner: Unassigned
)
For: METHOD AND SYSTEM FOR)
CONDUCTING ELECTRONIC)
AUCTIONS)

Assistant Commissioner for Patents
Washington, D.C. 20231

DECLARATION FOR PATENT APPLICATION

Sir:

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am an original, first, and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled **Method and System for Conducting Electronic Auctions**, the specification of which was filed on February 19, 1999.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby declare that all statements made herein of my knowledge are true and that all statements made of information and belief are believed to be true; and further that these statements were made with a knowledge that willful false statements in like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code

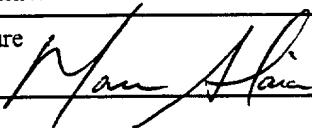
PATENT

ATTORNEY DOCKET NO.: 046700-5004

APPLICATION NO. 09/252,790

Page 2

and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| INVENTOR 1 | | |
|---|---|-----------------------------|
| Family Name ALAIA | First Given Name Marc | Second Given Name |
| City Glenshaw | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 113 Grandview Avenue | City Glenshaw | State Pennsylvania 15116 |
| Date April 6, 1999 | Signature  | |

| INVENTOR 2 | | |
|---|---|-----------------------------|
| Family Name BECKER | First Given Name David | Second Given Name J. |
| City Sewickley | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 22 Sewickley Hills Drive | City Sewickley | State Pennsylvania 15143 |
| Date | Signature | |

| INVENTOR 3 | | |
|--|---|-----------------------------|
| Family Name BERNARD | First Given Name Anthony | Second Given Name F. |
| City Wexford | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 2518 Lindenwood Drive | City Wexford | State Pennsylvania 15090 |
| Date | Signature | |

PATENT

ATTORNEY DOCKET NO.: 046700-5004

APPLICATION NO. 09/252,790

Page 3

| INVENTOR 4 | | |
|--|--|------------------------------------|
| Family Name HECKMANN | First Given Name Daniel | Second Given Name C. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 4889 East Willock Road | City Pittsburgh | State Pennsylvania 15227 |
| Date | Signature | |

| INVENTOR 5 | | |
|--|--|------------------------------------|
| Family Name KINNEY, JR. | First Given Name Sam | Second Given Name E. |
| City Sewickley | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 314 Maple Lane | City Sewickley | State Pennsylvania 15143 |
| Date | Signature | |

| INVENTOR 6 | | |
|--|--|------------------------------------|
| Family Name MEAKEM | First Given Name Glen | Second Given Name T. |
| City Sewickley | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 703 Cochran Street | City Sewickley | State Pennsylvania 15143 |
| Date | Signature | |

PATENT

ATTORNEY DOCKET NO.: 046700-5004

APPLICATION NO. 09/252,790

Page 4

| INVENTOR 7 | | |
|---|--|------------------------------------|
| Family Name RAGO | First Given Name Vincent | Second Given Name F. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 15 Roxbury Road | City Pittsburgh | State Pennsylvania 15221 |
| Date | Signature | |

| INVENTOR 8 | | |
|--|---|-------------------------------------|
| Family Name RENEAU | First Given Name Jason | Second Given Name |
| City Boston | State / Country Massachusetts, U.S.A. | Citizenship U.S.A. |
| Post Office Address 403 Marlborough Street | City Boston | State Massachusetts 02115 |
| Date | Signature | |

| INVENTOR 9 | | |
|--|--|------------------------------------|
| Family Name ROBERTS | First Given Name Frederick | Second Given Name W. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 5 Grandview Avenue, Apt. 803 | City Pittsburgh | State Pennsylvania 15221 |
| Date | Signature | |

PATENT

ATTORNEY DOCKET NO.: 046700-5004

APPLICATION NO. 09/252,790

Page 5

| INVENTOR 10 | | |
|---|--|------------------------------------|
| Family Name RUPP | First Given Name William | Second Given Name D. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 2151 Cayuga Drive | City Pittsburgh | State Pennsylvania 15239 |
| Date | Signature | |

| INVENTOR 11 | | |
|---|--|------------------------------------|
| Family Name STEVENS | First Given Name Robert | Second Given Name G. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 5518 Ellsworth Avenue, Apt. 1 | City Pittsburgh | State Pennsylvania 15232 |
| Date | Signature | |

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

FreeMarkets OnLine, Inc., a United States corporation, certifies that it is:

1. ☒ an assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the application identified above by virtue of:

- A. An assignment from the inventor(s) of the application identified above. The assignment was recorded as follows:

| FROM | TO | REEL/FRAME NO. |
|------|----|-----------------|
| | | Reel: Frame: |

OR

- B. A chain of title from the inventors, of the application identified above, to the current assignee as shown below:

1. From: Marc Alaia
To: FreeMarkets OnLine Inc.
The document was recorded in the Patent and Trademark Office at Reel _____,
Frame _____, or for which a copy thereof is attached.
2. From: Jason Reneau
To: FreeMarkets OnLine, Inc.
The document was recorded in the Patent and Trademark Office at Reel _____,
Frame _____, or for which a copy thereof is attached.

3. From: David J. Becker, Anthony F. Bernard, Daniel C. Heckmann, Sam E. Kinney, Jr., Glen T. Meakem, Vincent F. Rago, Frederick W. Roberts, William D. Rupp, and Robert G. Stevens

To: FreeMarkets OnLine, Inc.

The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

- ☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the Assignee.

FreeMarkets OnLine, Inc.
One Oliver Plaza
210 Sixth Avenue
Pittsburgh, Pennsylvania 15222

By: _____

Sam E. Kinney, Jr.
Executive Vice President

Dated: 3/26/99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|----------------------------|---|----------------------|
| In re Application of: |) | |
| |) | |
| Marc ALAIA <i>et al.</i> |) | |
| |) | |
| Serial No.: 09/252,790 |) | Group Art Unit: 2761 |
| |) | |
| Filed: February 19, 1999 |) | Examiner: Unassigned |
| |) | |
| For: METHOD AND SYSTEM FOR |) | |
| CONDUCTING ELECTRONIC |) | |
| AUCTIONS |) | |

Assistant Commissioner for Patents
Washington, D.C. 20231

DECLARATION FOR PATENT APPLICATION

Sir:

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am an original, first, and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled **Method and System for Conducting Electronic Auctions**, the specification of which was filed on February 19, 1999.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby declare that all statements made herein of my knowledge are true and that all statements made of information and belief are believed to be true; and further that these statements were made with a knowledge that willful false statements in like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code

and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| INVENTOR 1 | | |
|--|--|------------------------------------|
| Family Name ALAIA | First Given Name Marc | Second Given Name |
| City Glenshaw | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 113 Grandview Avenue | City Glenshaw | State Pennsylvania 15116 |
| Date | Signature | |

| INVENTOR 2 | | |
|--|--|------------------------------------|
| Family Name BECKER | First Given Name David | Second Given Name J. |
| City Sewickley | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 22 Sewickley Hills Drive | City Sewickley | State Pennsylvania 15143 |
| Date | Signature | |

| INVENTOR 3 | | |
|---|--|------------------------------------|
| Family Name BERNARD | First Given Name Anthony | Second Given Name F. |
| City Wexford | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 2518 Lindenwood Drive | City Wexford | State Pennsylvania 15090 |
| Date | Signature | |

PATENT

ATTORNEY DOCKET NO.: 046700-5004

APPLICATION NO. 09/252,790

Page 3

| INVENTOR 4 | | |
|--|--|------------------------------------|
| Family Name HECKMANN | First Given Name Daniel | Second Given Name C. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 4889 East Willock Road | City Pittsburgh | State Pennsylvania 15227 |
| Date | Signature | |

| INVENTOR 5 | | |
|--|--|------------------------------------|
| Family Name KINNEY, JR. | First Given Name Sam | Second Given Name E. |
| City Sewickley | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 314 Maple Lane | City Sewickley | State Pennsylvania 15143 |
| Date | Signature | |

| INVENTOR 6 | | |
|--|--|------------------------------------|
| Family Name MEAKEM | First Given Name Glen | Second Given Name T. |
| City Sewickley | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 703 Cochran Street | City Sewickley | State Pennsylvania 15143 |
| Date | Signature | |

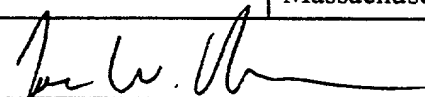
PATENT

ATTORNEY DOCKET NO.: 046700-5004

APPLICATION NO. 09/252,790

Page 4

| INVENTOR 7 | | |
|---|--|------------------------------------|
| Family Name RAGO | First Given Name Vincent | Second Given Name F. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 15 Roxbury Road | City Pittsburgh | State Pennsylvania 15221 |
| Date | Signature | |

| INVENTOR 8 | | |
|--|---|-------------------------------------|
| Family Name RENEAU | First Given Name Jason | Second Given Name W. |
| City Boston | State / Country Massachusetts, U.S.A. | Citizenship U.S.A. |
| Post Office Address 403 Marlborough Street | City Boston | State Massachusetts 02115 |
| Date 4/19/99 | Signature  | |

| INVENTOR 9 | | |
|--|--|------------------------------------|
| Family Name ROBERTS | First Given Name Frederick | Second Given Name W. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 5 Grandview Avenue, Apt. 803 | City Pittsburgh | State Pennsylvania 15221 |
| Date | Signature | |

PATENT

ATTORNEY DOCKET NO.: 046700-5004

APPLICATION NO. 09/252,790

Page 5

| INVENTOR 10 | | |
|---|--|------------------------------------|
| Family Name RUPP | First Given Name William | Second Given Name D. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 2151 Cayuga Drive | City Pittsburgh | State Pennsylvania 15239 |
| Date | Signature | |

| INVENTOR 11 | | |
|---|--|------------------------------------|
| Family Name STEVENS | First Given Name Robert | Second Given Name G. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 5518 Ellsworth Avenue, Apt. 1 | City Pittsburgh | State Pennsylvania 15232 |
| Date | Signature | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|----------------------------|---|----------------------|
| In re Application of: |) | |
| |) | |
| Marc ALAIA <i>et al.</i> |) | |
| |) | |
| Serial No.: 09/252,790 |) | Group Art Unit: 2761 |
| |) | |
| Filed: February 19, 1999 |) | Examiner: Unassigned |
| |) | |
| For: METHOD AND SYSTEM FOR |) | |
| CONDUCTING ELECTRONIC |) | |
| AUCTIONS |) | |

Assistant Commissioner for Patents
Washington, D.C. 20231

DECLARATION FOR PATENT APPLICATION

Sir:

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am an original, first, and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled **Method and System for Conducting Electronic Auctions**, the specification of which was filed on February 19, 1999.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby declare that all statements made herein of my knowledge are true and that all statements made of information and belief are believed to be true; and further that these statements were made with a knowledge that willful false statements in like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code

PATENT

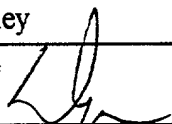
ATTORNEY DOCKET NO.: 046700-5004

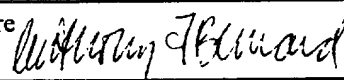
APPLICATION NO. 09/252,790

Page 2

and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| INVENTOR 1 | | |
|---|---|-----------------------------|
| Family Name ALAIA | First Given Name Marc | Second Given Name |
| City Glenshaw | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 113 Grandview Avenue | City Glenshaw | State Pennsylvania 15116 |
| Date | Signature | |

| INVENTOR 2 | | |
|---|---|-----------------------------|
| Family Name BECKER | First Given Name David | Second Given Name J. |
| City Sewickley | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 22 Sewickley Hills Drive | City Sewickley | State Pennsylvania 15143 |
| Date 3-30-99 | Signature  | |

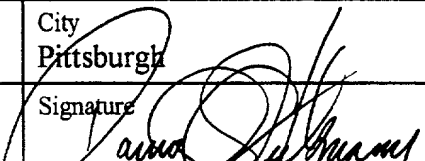
| INVENTOR 3 | | |
|--|--|-----------------------------|
| Family Name BERNARD | First Given Name Anthony | Second Given Name F. |
| City Wexford | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 2518 Lindenwood Drive | City Wexford | State Pennsylvania 15090 |
| Date 4/1/99 | Signature  | |

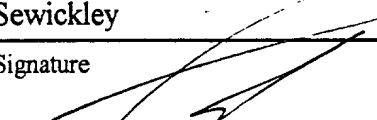
PATENT

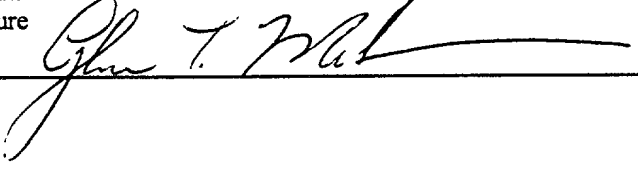
ATTORNEY DOCKET NO.: 046700-5004

APPLICATION NO. 09/252,790

Page 3

| INVENTOR 4 | | |
|---|---|-----------------------------|
| Family Name HECKMANN | First Given Name Daniel | Second Given Name C. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 4889 East Willock Road | City Pittsburgh | State Pennsylvania 15227 |
| Date 3/30/1999 | Signature  | |

| INVENTOR 5 | | |
|---------------------------------------|---|-----------------------------|
| Family Name KINNEY, JR. | First Given Name Sam | Second Given Name E. |
| City Sewickley | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 314 Maple Lane | City Sewickley | State Pennsylvania 15143 |
| Date 3/26/99 | Signature  | |


| INVENTOR 6 | | |
|---|---|-----------------------------|
| Family Name MEAKEM | First Given Name Glen | Second Given Name T. |
| City Sewickley | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 703 Cochran Street | City Sewickley | State Pennsylvania 15143 |
| Date 3/30/99 | Signature  | |

PATENT

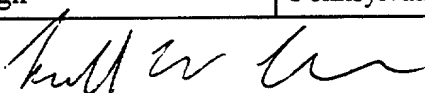
ATTORNEY DOCKET NO.: 046700-5004

APPLICATION NO. 09/252,790

Page 4

| INVENTOR 7 | | |
|--|---|-----------------------------|
| Family Name RAGO | First Given Name Vincent | Second Given Name F. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 15 Roxbury Road | City Pittsburgh | State Pennsylvania 15221 |
| Date 3/30/99 | Signature  | |

| INVENTOR 8 | | |
|---|--|------------------------------|
| Family Name RENEAU | First Given Name Jason | Second Given Name |
| City Boston | State / Country Massachusetts, U.S.A. | Citizenship U.S.A. |
| Post Office Address 403 Marlborough Street | City Boston | State Massachusetts 02115 |
| Date | Signature | |


| INVENTOR 9 | | |
|---|--|-----------------------------|
| Family Name ROBERTS | First Given Name Frederick | Second Given Name W. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 5 Grandview Avenue, Apt. 803 | City Pittsburgh | State Pennsylvania 15221 |
| Date 3/30/99 | Signature  | |


PATENT

ATTORNEY DOCKET NO.: 046700-5004

APPLICATION NO. 09/252,790

Page 5

| INVENTOR 10 | | |
|--|---|-----------------------------|
| Family Name RUPP | First Given Name William | Second Given Name D. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 2151 Cayuga Drive | City Pittsburgh | State Pennsylvania 15239 |
| Date 4/1/99 | Signature  | |

| INVENTOR 11 | | |
|--|---|-----------------------------|
| Family Name STEVENS | First Given Name Robert | Second Given Name G. |
| City Pittsburgh | State / Country Pennsylvania, U.S.A. | Citizenship U.S.A. |
| Post Office Address 5518 Ellsworth Avenue, Apt. 1 | City Pittsburgh | State Pennsylvania 15232 |
| Date 4/1/99 | Signature  | |

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHOD AND SYSTEM FOR CONDUCTING ELECTRONIC AUCTIONS

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on February 19, 1999, (Serial No. 09/252,790); and

WHEREAS, FreeMarkets OnLine, Inc., a corporation of Delaware, whose post office address is One Oliver Plaza, 210 Sixth Avenue, Pittsburgh, Pennsylvania 15222 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

| | |
|--|--|
| County of _____ | _____ Marc Alaia Full Name of Sole or First Assignor |
| State of _____ | SS. <u>113 Grandview Avenue, Glenshaw, PA 15116</u> Address |
| Subscribed and sworn to before me this ____ day of _____, 19____. | _____ First Assignor's Signature |
| _____ Notary Public | _____ Date |
| Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |

| | | |
|---|---|--|
| <p>County of <u>Allegheny</u> State of <u>Pennsylvania</u></p> <p>Subscribed and sworn to before me this <u>30</u> day of <u>March</u>, 19<u>99</u></p> <p><u>Tina L. Fallert</u> Notary Public</p> | <p style="text-align: center;">Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</p> | <p>_____ David J. Becker Full Name of Second Assignor</p> <p>SS. <u>22 Sewickley Hills Drive, Sewickley, Pennsylvania 15143</u> Address</p> <p>_____ Second Assignor's Signature <u>3.30.99</u> Date</p> |
| <p>County of <u>Allegheny</u> State of <u>Pennsylvania</u></p> <p>Subscribed and sworn to before me this <u>1</u> day of <u>April</u>, 19<u>99</u></p> <p><u>Tina L. Fallert</u> Notary Public</p> | <p style="text-align: center;">Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</p> | <p>_____ Anthony F. Bernard Full Name of Third Assignor</p> <p>SS. <u>2518 Lindenwood Drive, Wexford, Pennsylvania 15090</u> Address</p> <p>_____ Third Assignor's Signature <u>4/1/99</u> Date</p> |
| <p>County of <u>Allegheny</u> State of <u>Pennsylvania</u></p> <p>Subscribed and sworn to before me this <u>30</u> day of <u>March</u>, 19<u>99</u></p> <p><u>Tina L. Fallert</u> Notary Public</p> | <p style="text-align: center;">Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</p> | <p>_____ Daniel C. Heckmann Full Name of Fourth Assignor</p> <p>SS. <u>4889 East Willock Road, Pittsburgh, Pennsylvania 15227</u> Address</p> <p>_____ Fourth Assignor's Signature <u>3/30/1999</u> Date</p> |
| <p>County of <u>Allegheny</u> State of <u>Pennsylvania</u></p> <p>Subscribed and sworn to before me this <u>26</u> day of <u>March</u>, 19<u>99</u></p> <p><u>Tina L. Fallert</u> Notary Public</p> | <p style="text-align: center;">Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</p> | <p>_____ Sam E. Kinney, Jr. Full Name of Fifth Assignor</p> <p>SS. <u>314 Maple Lane, Sewickley, Pennsylvania 15143</u> Address</p> <p>_____ Fifth Assignor's Signature <u>3/26/99</u> Date</p> |
| <p>Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> | | |

| | |
|--|--|
| <p>County of <u>Allegheny</u> State of <u>Pennsylvania</u></p> <p>Subscribed and sworn to before me this <u>30</u> day of <u>March</u>, 19<u>99</u></p> <p><u>Tina L. Fallert</u> Notary Public My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</p> | <p style="text-align: right;">Glen T. Meakem Full Name of Sixth Assignor</p> <p>SS. <u>703 Cochran Street, Sewickley, Pennsylvania 15143</u> Address</p> <p style="text-align: right;"><u>Glen T. Meakem</u> Sixth Assignor's Signature</p> <p style="text-align: right;"><u>3/30/99</u> Date</p> |
| <p>County of <u>Allegheny</u> State of <u>Pennsylvania</u></p> <p>Subscribed and sworn to before me this <u>30</u> day of <u>March</u>, 19<u>99</u></p> <p><u>Tina L. Fallert</u> Notary Public My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</p> | <p style="text-align: right;">Vincent F. Rago Full Name of Seventh Assignor</p> <p>SS. <u>15 Roxbury Road, Pittsburgh, Pennsylvania 15221</u> Address</p> <p style="text-align: right;"><u>Vincent F. Rago</u> Seventh Assignor's Signature</p> <p style="text-align: right;"><u>3/30/99</u> Date</p> |
| <p>County of _____ State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19____</p> <p>____ Notary Public</p> | <p style="text-align: right;">Jason Reneau Full Name of Eighth Assignor</p> <p>SS. <u>403 Marlborough Street, Boston, Massachusetts 02115</u> Address</p> <p style="text-align: right;">_____ Eighth Assignor's Signature</p> <p style="text-align: right;">_____ Date</p> |
| <p>County of <u>Allegheny</u> State of <u>Pennsylvania</u></p> <p>Subscribed and sworn to before me this <u>30</u> day of <u>March</u>, 19<u>99</u></p> <p><u>Tina L. Fallert</u> Notary Public My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</p> | <p style="text-align: right;">Frederick W. Roberts Full Name of Ninth Assignor</p> <p>SS. <u>5 Grandview Avenue, Apt. 803, Pittsburgh, PA 15221</u> Address</p> <p style="text-align: right;"><u>Frederick W. Roberts</u> Ninth Assignor's Signature</p> <p style="text-align: right;"><u>3/30/99</u> Date</p> |
| <p>Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> | |

| | |
|--|---|
| County of <u>Allegheny</u> State of <u>Pennsylvania</u> | <div style="text-align: right;">_____ William D. Rupp Full Name of Tenth Assignor</div> <div style="text-align: right;">SS. <u>2151 Cayuga Drive, Pittsburgh, Pennsylvania 15239</u> Address</div> <div style="display: flex; justify-content: space-between;"><div style="width: 45%;"><p>Subscribed and sworn to before me this <u>1</u> day of <u>April</u>, 19<u>99</u></p><p><u>Tina L. Fallert</u> Notary Public My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</p></div><div style="width: 50%; text-align: right;"><p>_____ Tenth Assignor's Signature</p><p><u>4/1/99</u> Date</p></div></div> |
| County of <u>Allegheny</u> State of <u>Pennsylvania</u> | <div style="text-align: right;">_____ Robert G. Stevens Full Name of Eleventh Assignor</div> <div style="text-align: right;">SS. <u>5518 Ellsworth Avenue, Apt. 1, Pittsburgh, PA 15232</u> Address</div> <div style="display: flex; justify-content: space-between;"><div style="width: 45%;"><p>Subscribed and sworn to before me this <u>1</u> day of <u>April</u>, 19<u>99</u></p><p><u>Tina L. Fallert</u> Notary Public My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</p></div><div style="width: 50%; text-align: right;"><p>_____ Eleventh Assignor's Signature</p><p><u>4/1/99</u> Date</p></div></div> |
| Names of additional inventors attached [] Yes [X] No | |

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHOD AND SYSTEM FOR CONDUCTING ELECTRONIC AUCTIONS

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on February 19, 1999, (Serial No. 09/252,790); and

WHEREAS, FreeMarkets OnLine, Inc., a corporation of Delaware, whose post office address is One Oliver Plaza, 210 Sixth Avenue, Pittsburgh, Pennsylvania 15222 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

| | |
|--|--|
| County of <u>Allegheny</u> | <u>Marc Alaja</u> Full Name of Sole or First Assignor |
| State of <u>Pennsylvania</u> | SS. <u>113 Grandview Avenue, Glenshaw, PA 15116</u> Address |
| Subscribed and sworn to before me this <u>16</u> day of <u>April</u> , 1999 | <u>[Signature]</u> First Assignor's Signature |
| <u>[Signature]</u> Notary Public | <u>April 6, 1999</u> Date |
| Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries | |
| Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |

| | |
|--|--|
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p> | <p style="text-align: center;">_____ David J. Becker Full Name of Second Assignor</p> <p>SS. <u>22 Sewickley Hills Drive, Sewickley, Pennsylvania 15143</u> Address</p> <p style="text-align: center;">_____ Second Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p> | <p style="text-align: center;">_____ Anthony F. Bernard Full Name of Third Assignor</p> <p>SS. <u>2518 Lindenwood Drive, Wexford, Pennsylvania 15090</u> Address</p> <p style="text-align: center;">_____ Third Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p> | <p style="text-align: center;">_____ Daniel C. Heckmann Full Name of Fourth Assignor</p> <p>SS. <u>4889 East Willock Road, Pittsburgh, Pennsylvania 15227</u> Address</p> <p style="text-align: center;">_____ Fourth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p> | <p style="text-align: center;">_____ Sam E. Kinney, Jr. Full Name of Fifth Assignor</p> <p>SS. <u>314 Maple Lane, Sewickley, Pennsylvania 15143</u> Address</p> <p style="text-align: center;">_____ Fifth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> | |

| | |
|---|--|
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____, Notary Public</p> | <p style="text-align: center;">Glen T. Meakem Full Name of Sixth Assignor</p> <p>SS. <u>703 Cochran Street, Sewickley, Pennsylvania 15143</u> Address</p> <p style="text-align: center;">_____ Sixth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____, Notary Public</p> | <p style="text-align: center;">Vincent F. Rago Full Name of Seventh Assignor</p> <p>SS. <u>15 Roxbury Road, Pittsburgh, Pennsylvania 15221</u> Address</p> <p style="text-align: center;">_____ Seventh Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____, Notary Public</p> | <p style="text-align: center;">Jason Reneau Full Name of Eighth Assignor</p> <p>SS. <u>403 Marlborough Street, Boston, Massachusetts 02115</u> Address</p> <p style="text-align: center;">_____ Eighth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____, Notary Public</p> | <p style="text-align: center;">Frederick W. Roberts Full Name of Ninth Assignor</p> <p>SS. <u>5 Grandview Avenue, Apt. 803, Pittsburgh, PA 15221</u> Address</p> <p style="text-align: center;">_____ Ninth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>Names of additional inventors attached [X] Yes [] No</p> | |

| | |
|--|---|
| County of _____ | _____ William D. Rupp Full Name of Tenth Assignor |
| State of _____ | |
| | SS. <u>2151 Cayuga Drive, Pittsburgh, Pennsylvania 15239</u> Address |
| Subscribed and sworn to before me this ____ day of _____, 19__. | _____ Tenth Assignor's Signature |
| _____ Notary Public | _____ Date |

| | |
|--|---|
| County of _____ | _____ Robert G. Stevens Full Name of Eleventh Assignor |
| State of _____ | |
| | SS. <u>5518 Ellsworth Avenue, Apt. 1, Pittsburgh, PA 15232</u> Address |
| Subscribed and sworn to before me this ____ day of _____, 19__. | _____ Eleventh Assignor's Signature |
| _____ Notary Public | _____ Date |

| | |
|---|--|
| Names of additional inventors attached [] Yes [X] No | |
|---|--|

106040 T 46700

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHOD AND SYSTEM FOR CONDUCTING ELECTRONIC AUCTIONS

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on February 19, 1999, (Serial No. 09/252,790); and

WHEREAS, FreeMarkets OnLine, Inc., a corporation of Delaware, whose post office address is One Oliver Plaza, 210 Sixth Avenue, Pittsburgh, Pennsylvania 15222 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

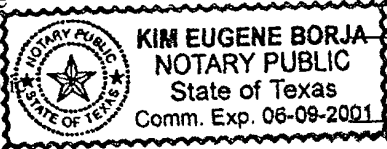
AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

| | |
|--|--|
| County of _____ | _____ Marc Alaia Full Name of Sole or First Assignor |
| State of _____ | SS. <u>113 Grandview Avenue, Glenshaw, PA 15116</u> Address |
| Subscribed and sworn to before me this ____ day of _____, 19____. | _____ First Assignor's Signature |
| _____ Notary Public | _____ Date |
| Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |

| | |
|--|--|
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p> | <p style="text-align: center;">_____ David J. Becker Full Name of Second Assignor</p> <p>SS. <u>22 Sewickley Hills Drive, Sewickley, Pennsylvania 15143</u> Address</p> <p style="text-align: center;">_____ Second Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p> | <p style="text-align: center;">_____ Anthony F. Bernard Full Name of Third Assignor</p> <p>SS. <u>2518 Lindenwood Drive, Wexford, Pennsylvania 15090</u> Address</p> <p style="text-align: center;">_____ Third Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p> | <p style="text-align: center;">_____ Daniel C. Heckmann Full Name of Fourth Assignor</p> <p>SS. <u>4889 East Willock Road, Pittsburgh, Pennsylvania 15227</u> Address</p> <p style="text-align: center;">_____ Fourth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p> | <p style="text-align: center;">_____ Sam E. Kinney, Jr. Full Name of Fifth Assignor</p> <p>SS. <u>314 Maple Lane, Sewickley, Pennsylvania 15143</u> Address</p> <p style="text-align: center;">_____ Fifth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> | |

| | |
|---|---|
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p> | <p style="text-align: center;"><u>Glen T. Meakem</u> Full Name of Sixth Assignor</p> <p>SS. <u>703 Cochran Street, Sewickley, Pennsylvania 15143</u> Address</p> <p style="text-align: center;">_____ Sixth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p> | <p style="text-align: center;"><u>Vincent F. Rago</u> Full Name of Seventh Assignor</p> <p>SS. <u>15 Roxbury Road, Pittsburgh, Pennsylvania 15221</u> Address</p> <p style="text-align: center;">_____ Seventh Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>County of <u>HARRIS</u></p> <p>State of <u>TEXAS</u></p> <p>Subscribed and sworn to before me this <u>19</u> day of <u>APRIL</u>, 19<u>99</u>.</p> <p><u>[Signature]</u> Notary Public</p> | <p style="text-align: center;"><u>Jason Reneau</u> Full Name of Eighth Assignor</p> <p>SS. <u>403 Marlborough Street, Boston, Massachusetts 02115</u> Address</p> <div style="display: flex; align-items: center;"><div style="border: 1px solid black; padding: 5px; text-align: center; margin-right: 10px;"><p>KIM EUGENE BORJA NOTARY PUBLIC State of Texas Comm. Exp. 06-09-2001</p></div><div style="text-align: center;"><u>[Signature]</u> Eighth Assignor's Signature</div></div> <p style="text-align: center;"><u>4/19/1999</u> Date</p> |
| <p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p> | <p style="text-align: center;"><u>Frederick W. Roberts</u> Full Name of Ninth Assignor</p> <p>SS. <u>5 Grandview Avenue, Apt. 803, Pittsburgh, PA 15221</u> Address</p> <p style="text-align: center;">_____ Ninth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p> |
| <p>Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> | |

| | |
|--|---|
| County of _____ | <u>William D. Rupp</u> Full Name of Tenth Assignor |
| State of _____ | SS. <u>2151 Cayuga Drive, Pittsburgh, Pennsylvania 15239</u> Address |
| Subscribed and sworn to before me this ____ day of _____, 19__. | _____ Tenth Assignor's Signature |
| _____ Notary Public | _____ Date |

| | |
|--|---|
| County of _____ | <u>Robert G. Stevens</u> Full Name of Eleventh Assignor |
| State of _____ | SS. <u>5518 Ellsworth Avenue, Apt. 1, Pittsburgh, PA 15232</u> Address |
| Subscribed and sworn to before me this ____ day of _____, 19__. | _____ Eleventh Assignor's Signature |
| _____ Notary Public | _____ Date |

| | |
|---|--|
| Names of additional inventors attached [] Yes [X] No | |
|---|--|